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iCRIMP 1632AF

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Model: 1632AF

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation and maintenance of your iCrimp Copper Tube Fittings Crimping Tool, Model 1632AF. This tool is designed for creating secure, leak-free connections on copper piping systems using compatible press fittings. Please read this manual thoroughly before initial use and retain it for future reference.

2. PRODUCT OVERVIEW

2.1. Package Contents

- 1 x iCrimp Copper Tube Fittings Crimping Tool (Model 1632AF)
- 1 x Durable Plastic Carrying Case
- 1 x Wrench for adjustments
- 3 x Sets of Interchangeable Jaws (1/2-inch, 3/4-inch, and 1-inch)

2.2. Key Features

- **Secure Crimping:** Achieves reliable crimps with an automatic locking mechanism for the pressing tongs.
- **Enhanced Accessibility:** Features a 360-degree rotating head, allowing for optimal positioning in various work environments.
- **Improved Leverage:** Extendable handles provide additional leverage, making crimping easier, especially for larger fittings.
- **Leak-Free Connections:** Designed to create robust, leak-free joints without the need for brazing, soldering, or flaring.
- **Durable Construction:** Weighing 8.4 lbs, this professional-grade tool is built for performance and longevity in demanding applications.
- **Compatibility:** Suitable for use with Viega Copper, Pro-Press, Elkhart, and Conex Pipe Fittings.



Figure 1: The iCrimp 1632AF Copper Tube Fittings Crimping Tool, including its interchangeable jaws and carrying case.

360 DEGREE ROTATING HEAD

Permits good accessibility

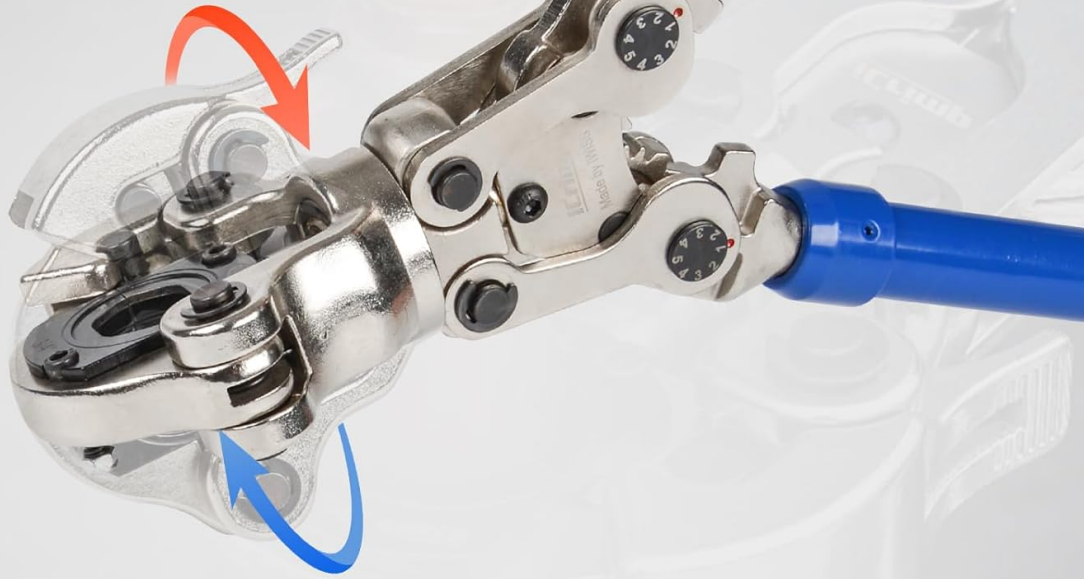


Figure 2: The 360-degree rotating head of the crimping tool, illustrating its flexibility for optimal accessibility.

DOUBLE EXTENDABLE HANDLES

Ensure enough leverage for big size



Note: Its substantial weight contributes to its unmatched durability and stability during use.

Figure 3: The crimping tool with its double extendable handles, providing enhanced leverage for efficient operation.

3. SETUP

3.1. Jaw Exchange

The iCrimp 1632AF tool features quick and easy interchangeable jaws to accommodate different pipe sizes (1/2-inch, 3/4-inch, and 1-inch).

1. Fully open the tool handles to unlock the jaw mechanism.
2. Locate the fixed pin on the jaw. Push the pin to release the current jaw set.
3. Carefully remove the existing jaws.
4. Select the appropriate jaw size for your application.
5. Insert the new jaws by aligning them with the tool's mechanism and pushing the fixed pin back into place until it locks securely.
6. Ensure both halves of the jaw are properly seated and secure before use.

SIMPLE & QUCIK JAW EXCHANGE

Only need push the fixed pin



Figure 4: Demonstrating the simple and quick jaw exchange process on the iCrimp 1632AF tool.

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Video 1: A visual guide on how to quickly and easily change the jaws of the iCrimp 1632AF pressing tool.

3.2. Handle Extension

For increased leverage, the tool's handles can be extended. Simply pull the inner handle sections outwards until they lock into the desired extended position. This provides additional mechanical advantage for easier crimping, especially on larger diameter fittings.

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Video 2: An overview of the iCrimp 1632AF tool, demonstrating its features including the extendable handles and interchangeable jaws.

4. OPERATING INSTRUCTIONS

Follow these steps for proper copper tube crimping:

1. Prepare the Copper Pipe:

- Cut the copper pipe squarely to the required length using a suitable pipe cutter. Ensure the cut is clean and straight.



Figure 5: Cutting a copper pipe squarely for proper fitting.

- Deburr the inside and outside edges of the cut pipe to remove any sharp edges or burrs that could damage the O-ring of the fitting.



Figure 6: Deburring the copper pipe to ensure a smooth surface for the fitting.

2. **Insert the Fitting:** Slide the appropriate press fitting onto the prepared copper pipe. Ensure the pipe is fully inserted into the fitting and properly aligned.
3. **Position the Tool:** Open the crimping tool handles completely. Place the jaws around the fitting, ensuring they are centered over the sealing element (typically indicated by a ring on the fitting). The 360-degree rotating head allows for flexible positioning.



Figure 7: Positioning the crimping tool jaws around the copper fitting.

4. **Crimp the Connection:** Slowly and firmly close the tool handles. Apply steady pressure until the jaws fully close and the automatic locking mechanism engages. The handles should meet completely, indicating a finished crimp.



Figure 8: A securely crimped copper pipe connection.

5. **Release the Tool:** Once the crimp is complete, release the handles and remove the tool from the fitting. Inspect the crimp to ensure it is uniform and secure.

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Video 3: Step-by-step demonstration on how to crimp copper tube fittings using the iCrimp 1632AF pressing tool.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your iCrimp tool.

- **Cleaning:** After each use, wipe down the tool and jaws with a clean, dry cloth to remove any debris, dirt, or moisture.
- **Lubrication:** Periodically apply a light machine oil to all moving parts and pivot points to ensure smooth operation.
- **Storage:** Store the tool and its jaws in the provided plastic carrying case in a dry, clean environment to prevent rust and damage.
- **Inspection:** Regularly inspect the jaws for wear or damage. Replace worn or damaged jaws immediately to maintain crimp quality and safety.

6. TROUBLESHOOTING

- **Leaking Connections:**
 - Ensure the pipe ends were cut squarely and deburred properly.
 - Verify that the correct size jaws were used for the fitting and pipe.
 - Confirm the jaws were fully closed during the crimping process and the automatic lock engaged.
 - Inspect the fitting and pipe for any damage prior to crimping.
- **Difficulty Closing Handles:**
 - Ensure the handles are fully extended to maximize leverage.
 - Verify that the jaws are correctly installed and free of obstructions.
 - Apply a small amount of lubricant to the pivot points if resistance persists.
- **Jaws Not Engaging Properly:**
 - Check that the fixed pin is fully engaged after changing jaws.
 - Ensure no debris is obstructing the jaw mechanism.

7. SPECIFICATIONS

Attribute	Specification
Brand	iCRIMP
Model Number	1632AF
Item Weight	8.4 Pounds
Handle Material	Rubber
Grip Type	Ergonomic
Handle Length (Extended)	20.86 Inches
UPC	709619248291

8. SAFETY INFORMATION

Always prioritize safety when using any tools. Failure to follow safety guidelines can result in injury or damage to property.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the work area is well-lit and free of obstructions.
- Never attempt to modify the tool or its components.
- Keep hands and fingers clear of the jaws during operation.
- Do not use the tool for purposes other than its intended use (crimping copper pipe fittings).
- Keep out of reach of children.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact the manufacturer, IWISS TOOLS, or your authorized iCRIMP dealer. Refer to your purchase documentation for specific warranty terms and contact details.